

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 2

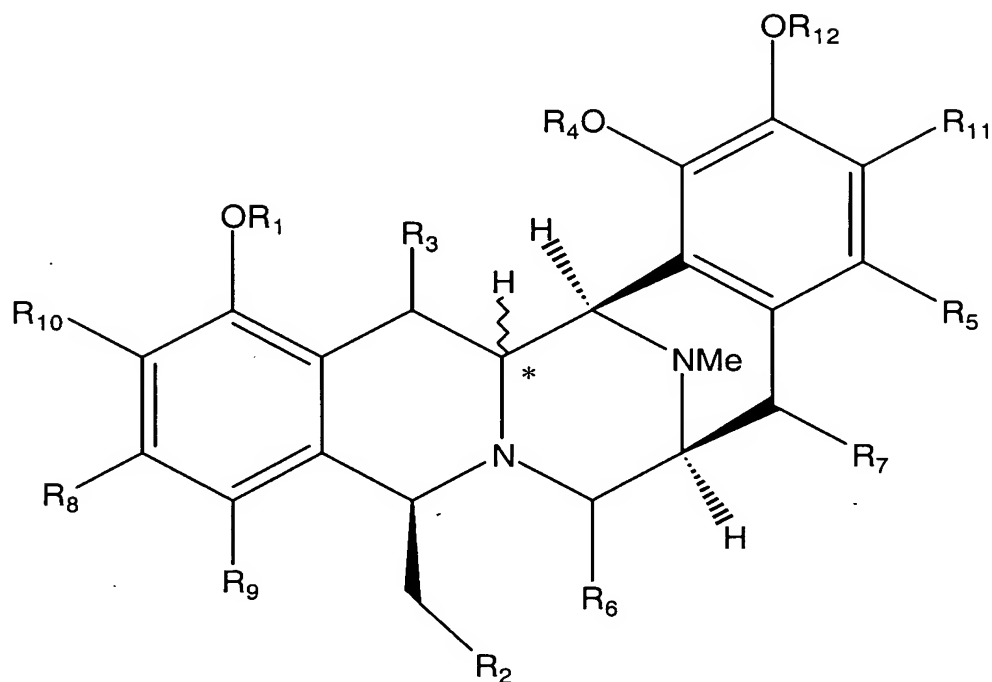
**In the Claims**

Please cancel claims 18-32, 50-83 and 92-120 without prejudice to reduce the filing fee.

Please amend claims 1, 33 and 84 pursuant to 37 C.F.R. §1.121 as modified by 68 Fed. Reg. 38611 (June 30, 2003) as follows:

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 3

1. (Currently Amended): A compound having the formula:



wherein R<sub>1</sub> and R<sub>4</sub> is H, a C<sub>1</sub> to C<sub>4</sub> alkyl group, or an acyl group;

wherein R<sub>2</sub> is an ether, ester, amide, aromatic group, a phthalimide group, or a substituted phthalimide group ~~or is covalently bound to R<sub>6</sub>~~;

wherein R<sub>3</sub> is =O, OH, an ether group, an acyl group, or a sulfide group;

wherein R<sub>5</sub> is H, halogen, OH, -OC<sub>(2-6)</sub> alkyl group, an ether group, an acyl group, or an amide group;

wherein R<sub>6</sub> is =O, OH, OCH<sub>3</sub>, CN, or an acyloxy group ~~or is covalently bound to R<sub>2</sub>~~;

wherein R<sub>7</sub>, is H, =O, OH, OCH<sub>3</sub>, halogen, an ether group, or an acyl group;

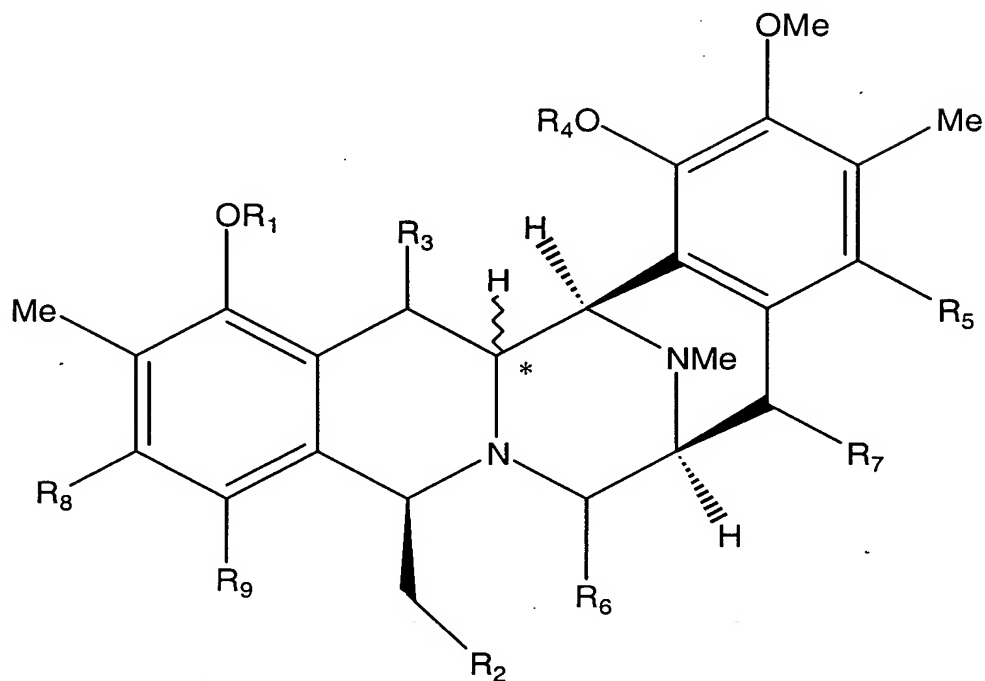
wherein R<sub>8</sub> and R<sub>9</sub> are independently H, CH<sub>3</sub>, OCH<sub>3</sub>, OC<sub>2</sub>H<sub>5</sub>,

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 4

Br, F, or CF<sub>3</sub>, ~~or R<sub>8</sub> and R<sub>9</sub> are joined together as a methylenedioxy group, or other five or six membered ring;~~  
wherein R<sub>10</sub> and R<sub>11</sub> are independently CH<sub>3</sub>, OCH<sub>3</sub>, OC<sub>2</sub>H<sub>5</sub>, SCH<sub>3</sub>, or SC<sub>2</sub>H<sub>5</sub>;  
wherein R<sub>12</sub> is H, a C<sub>1</sub> to C<sub>4</sub> alkyl group, or an acyl group; and  
wherein the chiral center marked \* has the R or the S configuration.

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 5

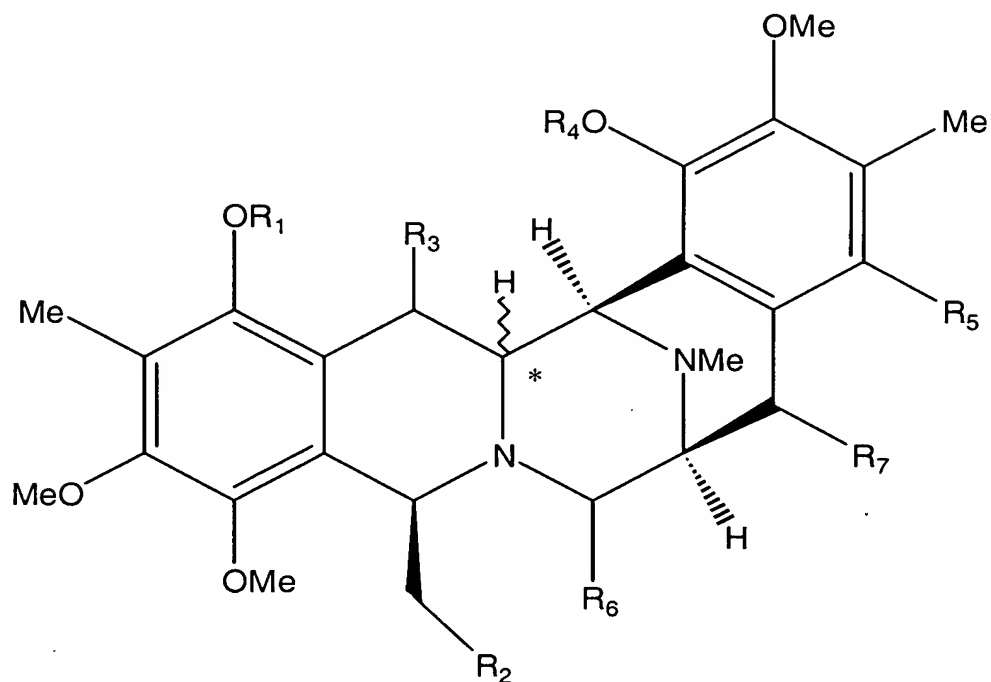
2. (Original): The compound of claim 1, having the formula:



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, and R<sub>9</sub> are defined as in claim 1.

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 6

3. (Original): The compound of claim 2, having the formula:



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are defined as in claim 1.

4. (Original): The compound of claim 3, wherein R<sub>1</sub> is CH<sub>3</sub>, R<sub>3</sub> is =O, R<sub>4</sub> is CH<sub>3</sub>, R<sub>5</sub> is OCH<sub>3</sub>, R<sub>6</sub> is =O, and R<sub>7</sub> is H.
5. (Original): The compound of claim 4, wherein R<sub>2</sub> is OC(O)H.
6. (Original): The compound of claim 4, wherein R<sub>2</sub> is H.
7. (Original): The compound of claim 4, wherein R<sub>2</sub> is OH.

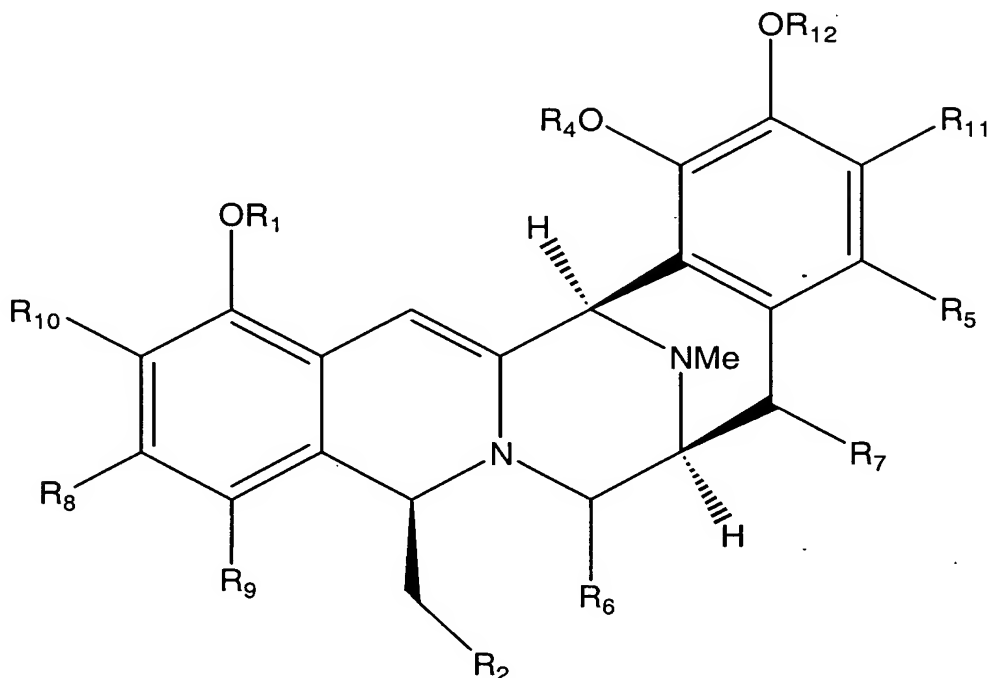
Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 7

8. (Original): The compound of claim 4, wherein  $R_2$  is  
-O-benzene.
9. (Original): The compound of claim 4, wherein  $R_2$  is  
OCOCH<sub>3</sub>.
10. (Original): The compound of claim 4, wherein  $R_2$  is  
-O-*t*-butyldimethylsilyl.
11. (Original): The compound of claim 4, wherein  $R_2$  is  
-O-Pivaloyl.
12. (Original): The compound of claim 3, wherein  $R_1$  is H,  $R_3$   
is =O,  $R_4$  is CH<sub>3</sub>,  $R_5$  is OCH<sub>3</sub>,  $R_6$  is =O, and  $R_7$  is H.
13. (Original): The compound of claim 12, wherein  $R_2$  is  
-O-pivaloyl.
14. (Currently amended): The compound of claim 3, wherein  $R_1$   
is H,  $R_3$  is =O,  $R_4$  is benzene[[3]],  $R_5$  is OCH<sub>3</sub>,  $R_6$  is =O,  
and  $R_7$  is H.
15. (Original): The compound of claim 3, wherein  $R_1$  is H,  $R_3$   
is =O,  $R_4$  is H,  $R_5$  is OCH<sub>3</sub>,  $R_6$  is =O, and  $R_7$  is H.
16. (Original): The compound of claim 3, wherein  $R_1$  is H,  $R_3$   
is =O,  $R_4$  is H,  $R_5$  is H,  $R_6$  is =O, and  $R_7$  is H.
17. (Original): The compound of claim 3, wherein  $R_3$  is =O,  
 $R_4$  is H,  $R_5$  is halogen,  $R_6$  is =O, and  $R_7$  is H.

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 8

18. - 32. (Canceled)

33. (Currently Amended): A compound having the formula:



wherein R<sub>1</sub> and R<sub>4</sub> is H, a C<sub>1</sub> to C<sub>4</sub> alkyl group, or an acyl group;

wherein R<sub>2</sub> is an ether, ester, amide, an aromatic ring, a phthalimide group, or a substituted phthalimide group ~~or is covalently bound to R<sub>6</sub>~~;

wherein R<sub>5</sub> is H, halogen, OH, an ether group, an acyl group, or an amide group;

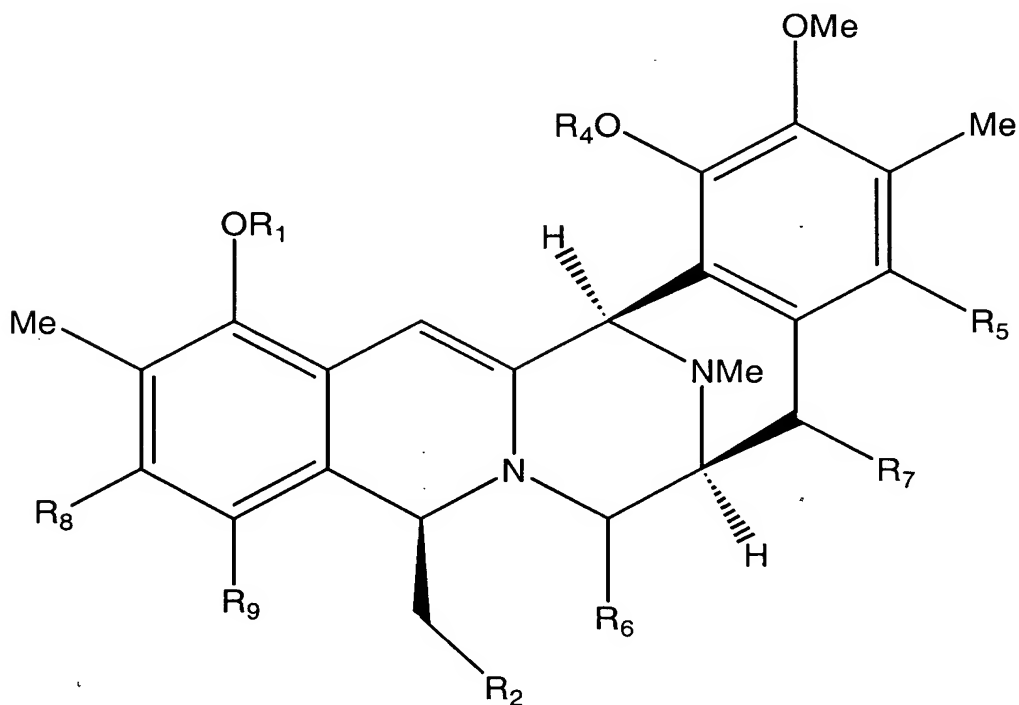
wherein R<sub>6</sub> is =O, OH, OCH<sub>3</sub>, CN, or an acyloxy group ~~or is covalently bound to R<sub>2</sub>~~;

wherein R<sub>7</sub>, is =O, OH, halogen, an ether group, or an acyl group;

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 9

wherein  $R_8$  and  $R_9$  are independently H,  $\text{CH}_3$ ,  $\text{OCH}_3$ ,  $\text{OC}_2\text{H}_5$ , Br, F, or  $\text{CF}_3$ , ~~or  $R_8$  and  $R_9$  are joined together as a methylenedioxy group, or other five or six membered ring;~~  
wherein  $R_{10}$  and  $R_{11}$  are independently  $\text{CH}_3$ ,  $\text{OCH}_3$ ,  $\text{OC}_2\text{H}_5$ ,  $\text{SCH}_3$ , or  $\text{SC}_2\text{H}_5$ ;  
wherein  $R_{12}$  is H, a  $\text{C}_1$  to  $\text{C}_4$  alkyl group, or an acyl group.

34. (Original): The compound of claim 33, having the formula:

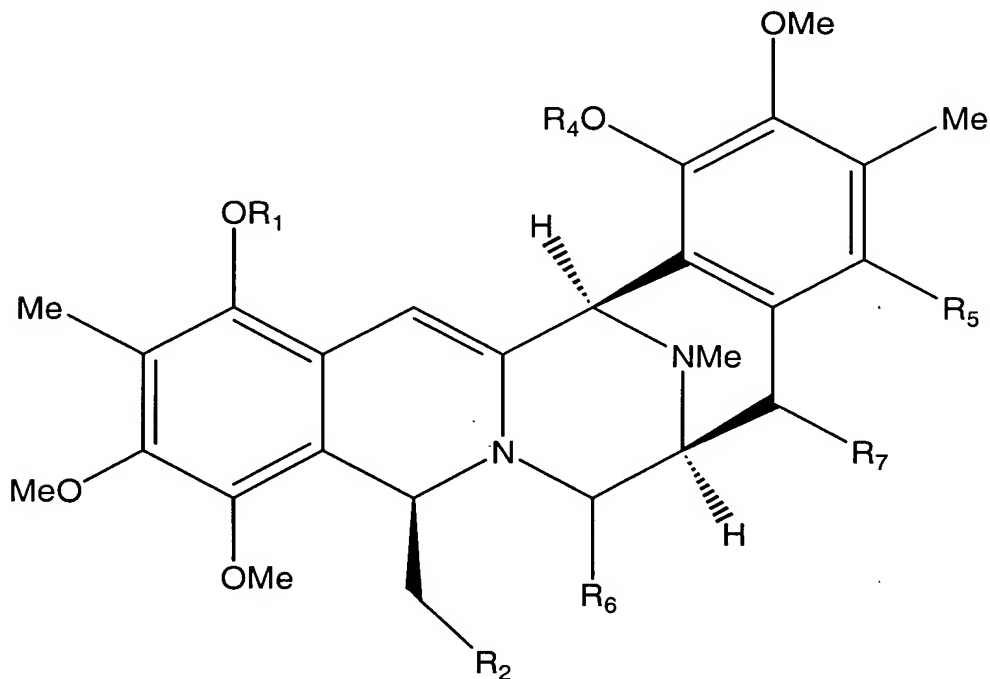


wherein  $R_1$ ,  $R_2$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$  and  $R_9$  are defined as in claim 33.



Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 10

35. (Original): The compound of claim 34, having the formula:



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are defined as in claim 33.

36. (Original): The compound of claim 35, wherein R<sub>1</sub> is CH<sub>3</sub>, R<sub>4</sub> is CH<sub>3</sub>, R<sub>5</sub> is OCH<sub>3</sub>, R<sub>6</sub> is =O, and R<sub>7</sub> is H.
37. (Original): The compound of claim 36, wherein R<sub>2</sub> is OC(O)H.
38. (Original): The compound of claim 36, wherein R<sub>2</sub> is H.
39. (Original): The compound of claim 36, wherein R<sub>2</sub> is OH.

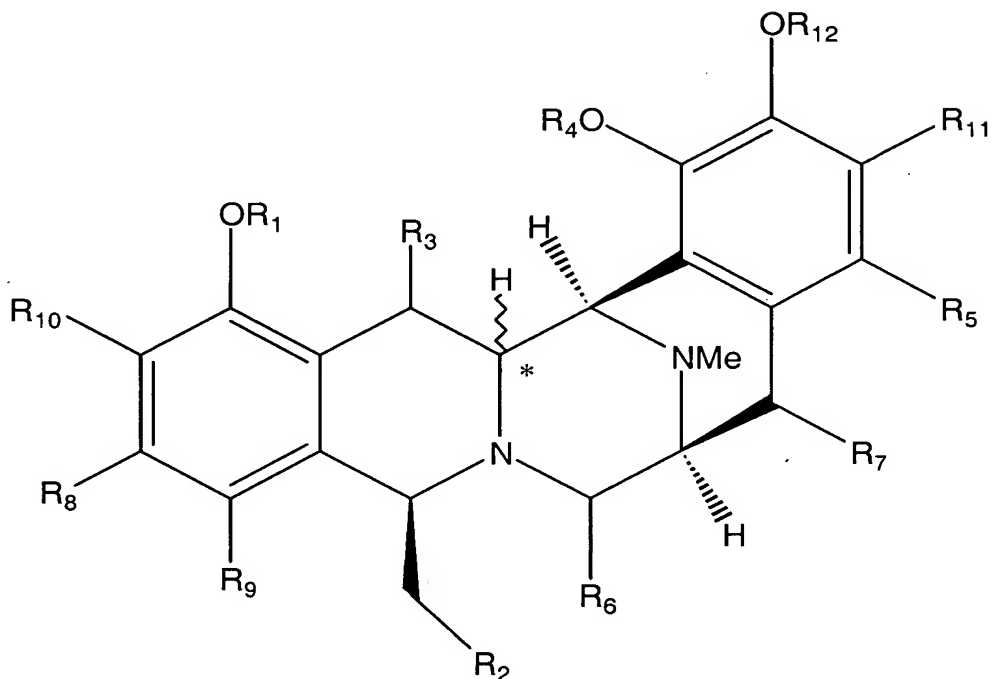
Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 11

40. (Original): The compound of claim 36, wherein R<sub>2</sub> is  
-O-benzene.
41. (Original): The compound of claim 36, wherein R<sub>2</sub> is  
OCOCH<sub>3</sub>.
42. (Original): The compound of claim 36, wherein R<sub>2</sub> is  
-O-*t*-butyldimethylsilyl.
43. (Original): The compound of claim 36, wherein R<sub>2</sub> is  
-O-Pivaloyl.
44. (Original): The compound of claim 35, wherein R<sub>1</sub> is H,  
R<sub>4</sub> is CH<sub>3</sub>, R<sub>5</sub> is OCH<sub>3</sub>, R<sub>6</sub> is =O, and R<sub>7</sub> is H.
45. (Original): The compound of claim 44, wherein R<sub>2</sub> is  
-O-pivaloyl.
46. (Currently amended): The compound of claim 35, wherein  
R<sub>1</sub> is H, R<sub>4</sub> is benzene[[3]], R<sub>5</sub> is OCH<sub>3</sub>, R<sub>6</sub> is =O, and R<sub>7</sub>  
is H.
47. (Original): The compound of claim 35, wherein R<sub>1</sub> is H,  
R<sub>4</sub> is H, R<sub>5</sub> is OCH<sub>3</sub>, R<sub>6</sub> is =O, and R<sub>7</sub> is H.
48. (Original): The compound of claim 35, wherein R<sub>1</sub> is H,  
R<sub>4</sub> is H, R<sub>5</sub> is H, R<sub>6</sub> is =O, and R<sub>7</sub> is H.
49. (Original): The compound of claim 35, wherein R<sub>1</sub> is H,  
R<sub>4</sub> is H, R<sub>5</sub> is halogen, R<sub>6</sub> is =O, and R<sub>7</sub> is H.

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 12

50. - 83. (Canceled)

84. (Currently Amended): A compound having the formula:



wherein R<sub>1</sub> and R<sub>4</sub> is H, a C<sub>1</sub> to C<sub>4</sub> alkyl group, or an acyl group;

wherein R<sub>2</sub> is an ether, ester, amide, or aromatic group ~~or is covalently bound to R<sub>6</sub>~~;

wherein R<sub>3</sub> is =O, OH, H, an ether group, an acyl group, or a sulfide group;

wherein R<sub>5</sub> is H, halogen, OH, -OC<sub>(2-6)</sub> alkyl group, an ether group, an acyl group, or an amide group;

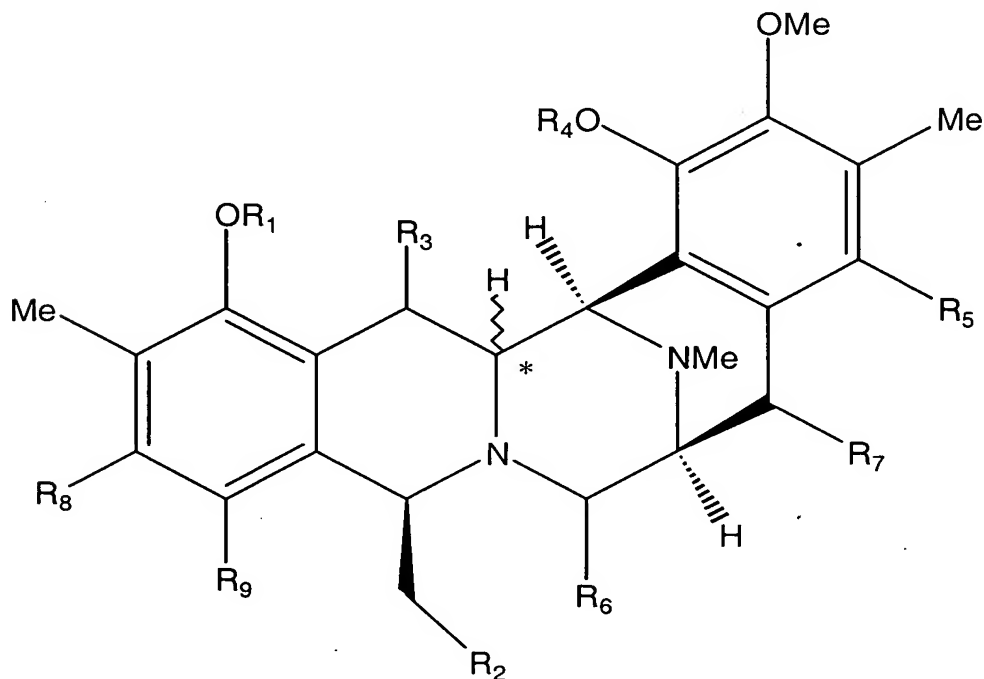
wherein R<sub>6</sub> is =O, OH, OCH<sub>3</sub>, CN, or an acyloxy group ~~or is covalently bound to R<sub>2</sub>~~;

wherein R<sub>7</sub>, is H, =O, OH, OCH<sub>3</sub>, halogen, an ether group, or an acyl group;

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 13

wherein  $R_8$  and  $R_9$  are independently H,  $CH_3$ ,  $OCH_3$ ,  $OC_2H_5$ , Br, F, or  $CF_3$ , ~~or  $R_8$  and  $R_9$  are joined together as a methylenedioxy group, or other five or six membered ring;~~  
wherein  $R_{10}$  and  $R_{11}$  are independently  $CH_3$ ,  $OCH_3$ ,  $OC_2H_5$ ,  $SCH_3$ , or  $SC_2H_5$ ;  
wherein  $R_{12}$  is H, a  $C_1$  to  $C_4$  alkyl group, or an acyl group; and  
wherein the chiral center marked \* has the R or the S configuration.

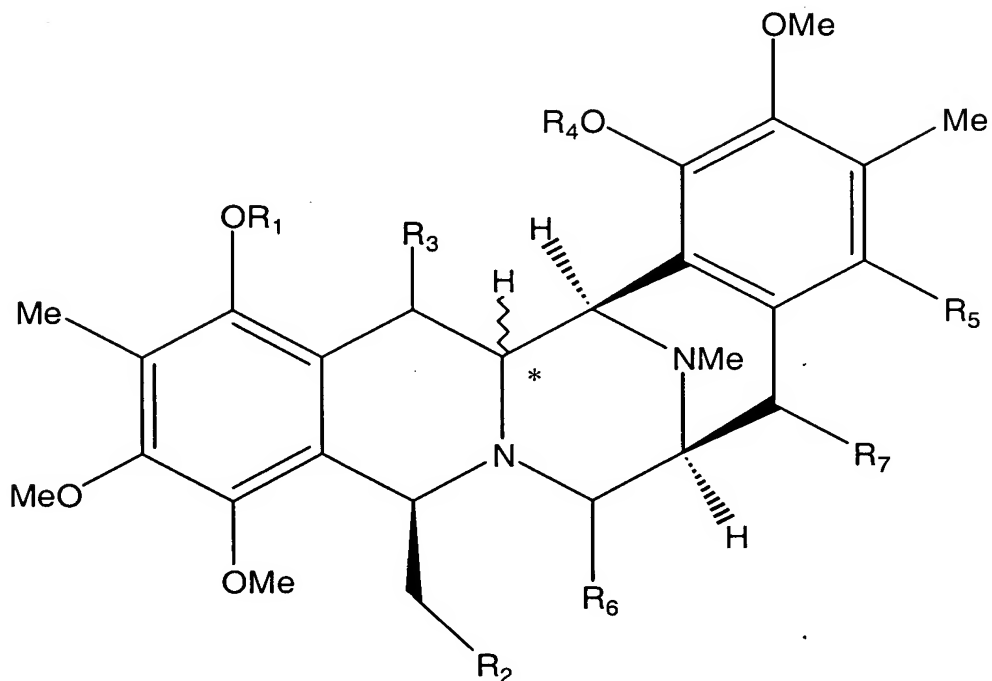
85. (Original): The compound of claim 84, having the formula:



wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ , and  $R_9$  are defined as in claim 84.

Applicants : Samuel Danishefsky et al.  
Serial No. : Not Yet Known  
December 5, 2003 Preliminary Amendment  
Page 14

86.(Original): The compound of claim 85, having the formula:



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are defined as in claim 84.

87.(Original): The compound of claim 86, wherein  $R_1$  is H,  $R_2$  is OH,  $R_3$  is H,  $R_4$  is H,  $R_5$  is H,  $R_6$  is =O, and  $R_7$  is H (Compound **113**).

88.(Original): The compound of claim 86, wherein  $R_3$  is H,  $R_4$  is  $CH_3$ ,  $R_5$  is  $OCH_3$ , and  $R_7$  is H.

89.(Original): The compound of claim 88, wherein  $R_2$  is OH.

90.(Original): The compound of claim 89, wherein  $R_6$  is H and  $R_1$  is  $CH_3$  (Compound **107**).

91.(Original): The compound of claim 89, wherein  $R_6$  is =O and  $R_1$  is H (Compound **104**).

92. - 120. (Canceled)